

# Yoann Coquerel

## List of Publications by Citations

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84  
papers

2,229  
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27  
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45  
g-index

126  
ext. papers

2,484  
ext. citations

5.5  
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5.09  
L-index

#	Paper	IF	Citations
84	1,3-Dicarbonyl compounds in stereoselective domino and multicomponent reactions. <i>Tetrahedron: Asymmetry</i> , <b>2010</b> , 21, 1085-1109		138
83	Syntheses and applications of functionalized bicyclo[3.2.1]octanes: thirteen years of progress. <i>Chemical Reviews</i> , <b>2013</b> , 113, 525-95	68.1	119
82	Chiral Nanographene Propeller Embedding Six Enantiomerically Stable [5]Helicene Units. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 18508-18511	16.4	104
81	Microwave-Assisted Olefin Metathesis. <i>European Journal of Organic Chemistry</i> , <b>2008</b> , 2008, 1125-1132	3.2	97
80	Stereoselective multiple bond-forming transformations (MBFTs): the power of 1,2- and 1,3-dicarbonyl compounds. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 2218-31	4.8	90
79	Microwave-assisted Wolff rearrangement of cyclic 2-diazo-1,3-diketones: an eco-compatible route to alpha-carbonylated cycloalkanones. <i>Journal of Organic Chemistry</i> , <b>2009</b> , 74, 415-8	4.2	82
78	Differential regulation of zinc efflux transporters ZnT-1, ZnT-5 and ZnT-7 gene expression by zinc levels: a real-time RT-PCR study. <i>Biochemical Pharmacology</i> , <b>2004</b> , 68, 699-709	6	77
77	Microwave-assisted domino and multicomponent reactions with cyclic acylketenes: expeditious syntheses of oxazinones and oxazindiones. <i>Organic Letters</i> , <b>2009</b> , 11, 5706-9	6.2	72
76	N-heterocyclic carbene-catalyzed Michael additions of 1,3-dicarbonyl compounds. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 2266-71	4.8	69
75	The Aryne aza-Diels-Alder Reaction: Flexible Syntheses of Isoquinolines. <i>Organic Letters</i> , <b>2015</b> , 17, 3374-7	6.2	66
74	1,3-Dipolar cycloaddition of hydrazones with $\alpha,\beta$ -ketenes: a three-component stereoselective entry to pyrazolidinones and an original class of spirooxindoles. <i>Organic Letters</i> , <b>2011</b> , 13, 4124-7	6.2	66
73	N-heterocyclic carbene catalyzed carba-, sulfa-, and phospho-Michael additions with $\text{NHCCO}$ adducts as precatalysts. <i>Journal of Organic Chemistry</i> , <b>2014</b> , 79, 2758-64	4.2	65
72	Organocatalytic Activity of N-Heterocyclic Carbenes in the Michael Addition of 1,3-Dicarbonyl Compounds: Application to a Stereoselective Spirocyclization Sequence. <i>Advanced Synthesis and Catalysis</i> , <b>2009</b> , 351, 1744-1748	5.6	64
71	Transition-metal-free arylation of $\beta$ -keto amides via an interrupted insertion reaction of arynes. <i>Organic Letters</i> , <b>2012</b> , 14, 4686-9	6.2	63
70	Enantioselective Organocatalytic Michael Addition of Cyclobutanones to Nitroalkenes. <i>Advanced Synthesis and Catalysis</i> , <b>2012</b> , 354, 3523-3532	5.6	56
69	Periselectivity switch of acylketenes in cycloadditions with 1-azadienes: microwave-assisted diastereoselective domino three-component synthesis of $\beta$ spiro-lactams. <i>Organic Letters</i> , <b>2010</b> , 12, 4212-5	6.2	55
68	Temporary intramolecular generation of pyridine carbenes in metal-free three-component C-H bond functionalisation/aryl-transfer reactions. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 17578-83	4.8	43

67	Approach to the blues: a highly flexible route to the azulenes. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 5130-3	16.4	43
66	Divergent chemo-, regio-, and diastereoselective normal electron-demand Povarov-type reactions with $\beta$ -exo-ketene dienophiles. <i>Organic Letters</i> , <b>2014</b> , 16, 4126-9	6.2	41
65	Enantioselective Organocatalytic Four-Atom Ring Expansion of Cyclobutanones: Synthesis of Benzazocinones. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 456-460	16.4	37
64	The MARDi cascade: a Michael-initiated domino-multicomponent approach for the stereoselective synthesis of seven-membered rings. <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 3078-92	4.8	36
63	Stereoselective Syntheses, Structures, and Properties of Extremely Distorted Chiral Nanographenes Embedding Hextuple Helicenes. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 3264-3271	16.4	34
62	Combination of Rearrangement with Metallic and Organic Catalyses in Step- and Atom-Economical Approach to Spiroactones and -lactams. <i>European Journal of Organic Chemistry</i> , <b>2011</b> , 2011, 5061-5070	3.2	33
61	Multiple Bond-Forming Transformations: The Key Concept toward Eco-Compatible Synthetic Organic Chemistry <b>2010</b> , 187-202		33
60	Michael Addition-initiated Sequential Reactions from 1,3-dicarbonyls for the Synthesis of Polycyclic Heterocycles. <i>Current Organic Chemistry</i> , <b>2013</b> , 17, 1920-1928	1.7	31
59	PdH <sub>2</sub> from Pd/C and triethylamine: Implications in palladium catalysed reactions involving amines. <i>Journal of Organometallic Chemistry</i> , <b>2007</b> , 692, 4805-4808	2.3	31
58	Asymmetric organocascades involving the formation of two C-heteroatom bonds from two distinct heteroatoms. <i>Organic and Biomolecular Chemistry</i> , <b>2012</b> , 10, 3969-73	3.9	30
57	Pseudo-Multicomponent Reactions of Arynes with N-Aryl Imines. <i>Journal of Organic Chemistry</i> , <b>2015</b> , 80, 9767-73	4.2	25
56	Design, Synthesis, and Organocatalytic Activity of N-Heterocyclic Carbenes Functionalized with Hydrogen-Bond Donors in Enantioselective Reactions of Homo-enolates. <i>European Journal of Organic Chemistry</i> , <b>2013</b> , 2013, 8253-8264	3.2	24
55	Microwave-Assisted Domino Benzannulation of $\beta$ -Oxo Ketenes: Preparation of 1,3-Dihydro-2H-1,5-benzodiazepin-2-ones. <i>European Journal of Organic Chemistry</i> , <b>2012</b> , 2012, 2338-2345	3.2	24
54	Catalyst- and halogen-free regioselective Friedel-Crafts $\beta$ -ketoacylations. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 9217-20	4.8	24
53	Expeditious divergent synthetic approach to polycyclic terpene-like molecules. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 2048-51	4.8	22
52	Synthetic studies on the MARDi cascade: stereoselective synthesis of heterocyclic seven-membered rings. <i>Organic Letters</i> , <b>2006</b> , 8, 4819-22	6.2	22
51	New approach to bicyclo[5.3.0]decanes: stereoselective guaiane synthesis. <i>Organic Letters</i> , <b>2003</b> , 5, 4453-5	3.5	22
50	Microwave-assisted cross-metathesis of acrylonitrile. <i>Comptes Rendus Chimie</i> , <b>2009</b> , 12, 872-875	2.7	20

49	Stereoselective Syntheses, Structures, and Properties of Extremely Distorted Chiral Nanographenes Embedding Hextuple Helicenes. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 3290-3297	3.6	19
48	A stable N-heterocyclic carbene organocatalyst for hydrogen/deuterium exchange reactions between pseudoacids and deuterated chloroform. <i>Journal of Organic Chemistry</i> , <b>2015</b> , 80, 1092-7	4.2	18
47	Cyclobishelicenes: Shape-Persistent Figure-Eight Aromatic Molecules with Promising Chiroptical Properties. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 14364-14369	4.8	18
46	A switchable dual organocatalytic system and the enantioselective total synthesis of the quadrane sesquiterpene suberosanone. <i>Chemical Communications</i> , <b>2016</b> , 52, 6565-8	5.8	17
45	The Wolff Rearrangement: Tactics, Strategies and Recent Applications in Organic Synthesis <b>2015</b> , 59-84		15
44	Quadrane Sesquiterpenes: Natural Sources, Biology, and Syntheses. <i>European Journal of Organic Chemistry</i> , <b>2010</b> , 2010, 2247-2260	3.2	14
43	Stereoselective Synthesis of Bicyclo[4.2.1]nonanes by Temporary-Bridge Approach to Cyclooctanoids. <i>European Journal of Organic Chemistry</i> , <b>2008</b> , 2008, 4988-4998	3.2	14
42	Synthetic Studies towards Guaianolide Sesquiterpene Lactones. <i>European Journal of Organic Chemistry</i> , <b>2008</b> , 2008, 5379-5382	3.2	14
41	Addition of silylated nucleophiles to $\alpha$ -ketoenones. <i>Chemical Communications</i> , <b>2016</b> , 52, 3010-3	5.8	13
40	Consecutive reactions with sulfoximines: a direct access to 2-sulfonimidoylylidene tetrahydrofurans and 6-sulfonimidoylmethyl-3,4-dihydro-2H-pyrans. <i>Tetrahedron</i> , <b>2009</b> , 65, 9756-9764	2.4	13
39	Diazo-Transfer Reactions to 1,3-Dicarbonyl Compounds with Tosyl Azide. <i>Synthesis</i> , <b>2011</b> , 2011, 2549-2552		13
38	Enantioselective Organocatalytic Four-Atom Ring Expansion of Cyclobutanones: Synthesis of Benzazocinones. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 466-470	3.6	13
37	Single-Step Metallocatalyzed and Organocatalyzed Enantioselective Construction of Bicyclo[3.2.1]octanes. <i>ChemCatChem</i> , <b>2012</b> , 4, 172-174	5.2	12
36	Synthetic Studies on the MARDi Cascade: Stereoselective Preparation of Sulfonyl-Substituted Seven-Membered Rings. <i>Synlett</i> , <b>2006</b> , 2006, 2751-2754	2.2	12
35	Practical and Efficient Organocatalytic Enantioselective $\alpha$ -Hydroxyamination Reactions of $\alpha$ -Ketoamides. <i>ChemCatChem</i> , <b>2013</b> , 5, 1192-1199	5.2	11
34	Approach to the Blues: A Highly Flexible Route to the Azulenes. <i>Angewandte Chemie</i> , <b>2005</b> , 117, 5260-5268		11
33	Catalytic properties of the Pd/C $\text{Et}_3\text{N}$ system. <i>Arkivoc</i> , <b>2008</b> , 2008, 227-237	0.9	11
32	Addition of organolithium compounds to tricarbonyl(tropone)iron complexes: experimental and structural studies. <i>Journal of Organometallic Chemistry</i> , <b>2002</b> , 659, 176-185	2.3	9

31	Enamine Activation of $\alpha$ -Ketocarbons: New Opportunities in Enantioselective Organocatalysis. <i>ChemCatChem</i> , <b>2015</b> , 7, 1263-1264	5.2	8
30	Enantiospecific Generation and Trapping Reactions of Aryne Atropisomers. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 16921-16925	16.4	8
29	Time-Efficient Synthesis of Pyrido[[2,3-d]pyrimidinones via $\alpha$ -Oxoketenes. <i>European Journal of Organic Chemistry</i> , <b>2016</b> , 2016, 1994-1999	3.2	8
28	Synthesis of Pyrrolo[2,3-]isoquinolines via the Cycloaddition of Benzyne with Arylideneaminopyrroles: Photophysical and Crystallographic Study. <i>ACS Omega</i> , <b>2019</b> , 4, 17326-17339	3.9	7
27	1,3-Dicarbonyls in Multicomponent Reactions <b>2014</b> , 109-158		7
26	Expeditious Synthesis of the Cores of Naturally Occurring Cyclic Polyethers using a Divergent Ring Rearrangement Metathesis Strategy. <i>Advanced Synthesis and Catalysis</i> , <b>2012</b> , 354, 3200-3204	5.6	7
25	Normal, Abnormal, and Cascade Wittig Olefinations of $\alpha$ -Oxoketenes. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 11110-11118	4.8	7
24	An Organocatalytic Two-atom Ring Expansion Approach to Optically Active Glutarimides. <i>Advanced Synthesis and Catalysis</i> , <b>2019</b> , 361, 2992-3001	5.6	6
23	Reductive complexation of cycloheptatrienes by iron pentacarbonyl and catalytic sodium borohydride. <i>Chemical Communications</i> , <b>2002</b> , 658-9	5.8	6
22	Organocatalytic Activity of N-Heterocyclic Carbenes in the Michael Addition of 1,3-Dicarbonyl Compounds: Application to a Stereoselective Spirocyclization Sequence. <i>Advanced Synthesis and Catalysis</i> , <b>2009</b> , 351, 2541-2541	5.6	5
21	Reluctant Cross-Metathesis Reactions: The Highly Beneficial Effect of Microwave Irradiation. <i>Synthesis</i> , <b>2007</b> , 2007, 2867-2871	2.9	5
20	Chemo- and regioselective synthesis of 2-alkylidenetetrahydrofurans bearing a chiral sulfur atom by domino reactions of sulfoximines. <i>Tetrahedron Letters</i> , <b>2006</b> , 47, 8503-8506	2	5
19	SYNTHESIS OF SUBSTITUTED CYCLOHEPTADIENES BY CATALYTIC HYDROGENATION OF CYCLOHEPTATRIENEIRON COMPLEXES. <i>Synthetic Communications</i> , <b>2001</b> , 31, 1291-1300	1.7	5
18	Periselectivity in the aza-Diels-Alder Cycloaddition between $\alpha$ -Oxoketenes and -(5-Pyrazolyl)imines: A Combined Experimental and Theoretical Study. <i>Journal of Organic Chemistry</i> , <b>2020</b> , 85, 7368-7377	4.2	4
17	Iron Pentacarbonyl-Fe(CO) <sub>5</sub> . <i>Synlett</i> , <b>2002</b> , 2002, 1937-1938	2.2	4
16	(1R,2s,3S,6R,9S)-5,5,10,10-tetrachloro-2-methyltricyclo. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>2000</b> , 56 (Pt 12), 1480-1		4
15	Unbalanced 2D Chiral Crystallization of Pentahelicene Propellers and Their Planarization into Nanographenes. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 10251-10254	4.8	4
14	Spirobicyclic and Tetracyclic Pyrazolidinones: Syntheses and Properties. <i>European Journal of Organic Chemistry</i> , <b>2019</b> , 2019, 6034-6043	3.2	3

13	Synthetic Studies on the MARDi Cascade: Stereoselective Preparation of Sulfonyl-Substituted Seven-Membered Rings. <i>Synlett</i> , <b>2006</b> , 2006, 3368-3368	2.2	3
12	Visualizing electron delocalization in contorted polycyclic aromatic hydrocarbons. <i>Chemical Science</i> , <b>2021</b> , 12, 13092-13100	9.4	3
11	Experimental and theoretical studies of (4+0) annulations between Oxoketenes and stable phosphorous, nitrogen, or sulfur ylides. <i>Journal of Physical Organic Chemistry</i> , <b>2019</b> , 32, e3939	2.1	2
10	Cascade Reactions Forming Both C-C Bond and C-Heteroatom BOND <b>2013</b> , 559-585		2
9	Consecutive Reactions with Sulfoximines: Straightforward Synthesis of Substituted 5,5-Spiroketal. <i>Synthesis</i> , <b>2011</b> , 2011, 2085-2090	2.9	2
8	Stereoselective Synthesis of the Core of Naturally Occurring Anti-HIV Isolitseane B. <i>Letters in Organic Chemistry</i> , <b>2007</b> , 4, 232-233	0.6	2
7	Access to diversely substituted cyclopentenones from chlorocyclopentenones. <i>Tetrahedron Letters</i> , <b>2004</b> , 45, 6749-6751	2	2
6	Periselectivity in the Aza-Diels-Alder Reaction of 1-Azadienes with Oxoketenes: A Combined Experimental and Theoretical Study. <i>Molecules</i> , <b>2020</b> , 25,	4.8	1
5	Enantioselective Organocatalytic Syntheses and Ring-Expansions of Cyclobutane Derivatives. <i>European Journal of Organic Chemistry</i> , <b>2021</b> , 2021, 3023-3034	3.2	1
4	Microwave-assisted Stereoselective Synthesis <b>2013</b> , 1-22		
3	Use of 1, 3-Dicarbonyl Derivatives in Stereoselective Domino and Multicomponent Reactions <b>2019</b> , 59-120		
2	Innentitelbild: Enantioselective Organocatalytic Four-Atom Ring Expansion of Cyclobutanones: Synthesis of Benzazocinones (Angew. Chem. 2/2019). <i>Angewandte Chemie</i> , <b>2018</b> , 131, 358	3.6	
1	On the regioselective molecular sieves-promoted oxidative three-component synthesis of fused-benzimidazoles from ketoesters. <i>Comptes Rendus Chimie</i> , <b>2022</b> , 25, 19-29	2.7	